

INFORMATION DISCLOSURE CITATION

Attorney Docket No.: GC559-D1	Serial No.: Unassigned 10/71-4712
Applicant: Mark Donnelly et al.	
Filing Date: Filed Herewith	Group: Unassigned 1633
Page 1 of 2	Date of this Submission: November 13, 2003

US PATENT DOCUMENTS

Examiner's	Document				Sub-	Filing
Initial	Number	Date	Name	Class	Class	Date
PSR	*5,302,518	4/12/94	Neupert, et al.			

FOREIGN PATENT DOCUMENTS

Examiner's	Document				Sub-	Translation
Initials	Number	Date	Country	Class	Class	Yes/No
PSR	*WO 92/05249	04/02/92	PCT			
	*WO 93/13200	07/08/93	PCT			
	*WO 94/08012	04/14/94	PCT			
	*WO 94/23042	10/13/94	PCT			
	*WO 95/31994	11/30/95	PCT			
	*WO 98/56928	12/17/98	PCT			
PSR	*WO 99/31220	06/24/99	PCT			

OTHER DOCUMENTS

Examiner's	
Initials	Author, Title, Date, Pertinent Pages, etc.
PSR	*Altamirano et al., "Refolding Chromatography with Immobilized Mini-chaperonins," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 94, pp. 3576-3578 (April 1997)
	*Amrein et al., "Purification and characterization of Recombinant Human p50csk Protein-tyrosine Kinase from an <i>Escherichia coli</i> Expression System Overproducing the Bacterial Chaperones GroES and GroEL," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 92, pp. 1048-1052 (February 1995)
	*Barbosa et al., "Cloning, sequencing and expression of stress genes from the ethanol-producing bacterium <i>Zymomonas mobilis</i> : the <i>grpESL</i> operon," <i>Gene</i> , 128 pp.51-57 (1994)
	*Boyd, Charles D. and Tilson, David M. <i>The Abdominal Aortic Aneurysm: Genetics, Pathophysiology, and Molecular Biology</i> . New York: New York Academy of Sciences, 1996.
	*Brazil, et al., "Model Peptide Studies Demonstrate That Amphipathic Secondary Structures Can Be Recognized by the Chaperonin GroEL (cpn60)," <i>Journal of Biological Chemistry</i> , Vol. 272, No. 8, pp. 5105-5111 (1997)
	*Buckle et al., "A Structural Model for GroEL-polypeptide recognition," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 94, pp. 3571-3575 (April 1996)
	*Clarke, "Molecular Chaperones in Protein Folding and Translocation," <i>Current Opinion in Structural Biology</i> 1996, 6:43-50. Buckle et al., "A Structural Model for GroEL-polypeptide recognition," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 94, pp. 3571-3575 (April 1996)
	*Dale, et al., "Increased Solubility of Trimethoprim-Resistant Type S1 DHFR from the <i>Staphylococcus aureus</i> in <i>Escherichia coli</i> Cells Overproducing the Chaperonins-GroEL and GroES," <i>Protein Engineering</i> , Vol. 7, No. 7, pp. 925-931 (1994)
	*Frenken, Leon. <i>Characterization, Biogenesis and Protein Engineering</i>
	*Georgiou et al., "Expression of Correctly Folded Proteins in <i>Escherichia coli</i> ," <i>Current Opinion in Structural Biology</i> 1996, 7:190-197.
	*Gilbert. "Pseudomonas Lipases: Biochemical Properties and Molecular Cloning," <i>Enzyme Microb. Technol.</i> , Vol 15, pp. 634-645 (August 1993)
	*Hartke et al., "Differential Induction of the Chaperonin GroEL and the Co-Chaperonin GroES by Heat, Acid, and UV-Irradiation in <i>Lactococcus lactis</i> subsp. <i>lactis</i> ," <i>Current Microbiology</i> , V. 34 (1997), pp. 23-26
	*Hartl et al., "Molecular Chaperones in Cellular Protein Folding," <i>Current Opinion in Structural Biology</i> 1995, 5: 92-102.
	*Hemmingsen, et al., "Homologous plant and bacterial proteins chaperone oligomeric protein assembly," <i>Nature</i> , 333: 330-334 (1988)
	*Hunt, et al., "The Crystal Structure of the GroES Co-chaperonin at 2.8A Resolution," <i>Nature</i> , Vol. 379, pp. 37-45 (January 1996)
	*Joerger et al., "Overexpression of a <i>Thizopus deleman</i> Lipase Gene in <i>Escherichia coli</i> ," <i>LIPIDS</i> , V. 28, N. 2 pp. 81-88, 1993
Examiner	Date Considered
PSR	10/26/05

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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FOREIGN PATENT DOCUMENTS

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Initials	Number	Date	Country	Class	Class	Yes/No

OTHER DOCUMENTS

Examiner's	
Initials	Author, Title, Date, Pertinent Pages, etc.
PSK	*Landry et al., "Interplay of structure and disorder in cochaperonin mobile loops," <i>Proc. Natl. Acad. Sci. USA</i> , V. 93, pp. 11622-11627, October 1996
	*Landry et al., "Characterization of a functionally important mobile domain of GroES," <i>Nature</i> , Vol. 364, pp. 255-258 (July 1993)
	*Landry et al., "Different Conformations for the Same Polypeptide Bound to Chaperones DnaK and GroEL," <i>Nature</i> , Vol. 355, pp. 455-457 (January 1992)
	*Mayhew et al., "Protein Folding in the Central Cavity of the GroEL-GroES Chaperonin Complex," <i>Nature</i> , Vol. 379, pp. 420-426 (February 1996)
	*Mullaney et al., "GFP:HIV-1 Protease Production and Packaging with a T4 Phage Expression-Packaging Processing System," <i>Biotechniques</i> , 1998 Dec: 25 (6): 1008-12
	*Nakanishi et al., "Cloning, Sequencing and Regulation of the Lipase Gene from <i>Pseudomonas</i> ," in <i>Lipases: Structure, Mechanism and Genetic Engineering</i> , eds. Alberghina et al.
	*Oltval et al., "Bcl-2 Heterodimerizes in Vivo with a Conserved Homolog, Bax, That Accelerates Programed Cell Death," <i>Cell</i> , V. 74, pp. 609-619, August 1993
	*Phadtare et al., "Refolding the Release of Tubulins by a Functional Immobilized groEL Column," <i>Biochimica et Biophysica Acta</i> 1208, pp. 188-192 (1994)
	*Rippmann et al., "Procaroytic Expression of Single-Chain Variable-Fragment (scFv) Antibodies: Secretion in L-Form Cells of <i>Proteus mirabilis</i> Leads to Active Product and Overcomes the Limitations of Periplasmic Expression in <i>Escherichia coli</i> ," <i>Applied and Environmental Microbiology</i> , V. 64, N. 12, pp. 4862-4869, Dec. 1998
	*Sarkar et al., "Production, Purification, and Characterization of Recombinant 2', 5' -Oligoadenylate Synthetases," <i>Methods: A Companion to Methods in Enzymology</i> , Vol. 15, 233-242 (1998)
	*Subrahmanyam et al., "Overproduction of a functional fatty acid biosynthetic enzyme blocks fatty acid synthesis in <i>Escherichia coli</i> ," <i>J. Bacteriol</i> , 1998 Sept; 180 (17):4596-4602
	*Thomas et al., "Protein Misfolding and Inclusion Body Formation in Recombinant <i>Escherichia coli</i> Cells Overexpressing Heat-shock Proteins," <i>The Journal of Biological Chemistry</i> , V. 271., No. 19, Issue of May 10, pp. 11141-11147, 1996
	*Thomas et al., "Divergent Effects of Chaperone Overexpression and Ethanol Supplementation on Inclusion Body Formation in Recombinant <i>Escherichia coli</i> ," <i>Protein Expression and Purification</i> , V. 11, pp. 289-296 (1997)
	*Vandier et al., "Selective Killing of Glioma Cell Lines Using an Astrocyte-specific Expression of the Herpes Simplex Virus-Thymidine Kinase Gene," <i>Cancer Research</i> , V. 58, pp.4577-4580, October 1998
	*Van Dyk, et al., "Synergistic Induction of the Heat Shock Response in <i>Escherichia coli</i>
	*Volker et al., "Analysis of the induction of general stress proteins of <i>Bacillus subtilis</i> ," <i>Microbiology</i> , V. 140, pp. 741-752 (1994)
PSK	*Welch, William J., "Heat shock proteins functioning as molecular chaperones: their roles in normal and stressed cells," <i>Philios Trans R. Soc Lond B. Biol. Sci.</i> , V. 339 (1289) pp. 327-33 (March 1993)
	*Xu et al., "The crystal structure of the asymmetric GroEL-GroES (ADP) ₇ chaperonin complex," <i>Nature</i> , V. 388, August 1997
	*Copy of International Search Report

FULL ARTICLE NOT PRESENT

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